

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. 55311-AZ-PCT-US JPW/AJM/MML		Serial No. Not Yet Known					
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						Applicant: Audrey Minden							
						Filing Date Herewith		Group 1652					
U.S. PATENT DOCUMENTS													
Examiner Initial		Document Number				Date	Name	Class	Subclass	Filing Date if Appropriate			
		5	5	1	8	9	1	1	5/21/1996	Abo, A. et al.	435	194	
		5	6	0	5	8	2	5	2/25/1997	Abo, A. et al.	435	194	
		5	6	9	8	4	2	8	12/16/1997	Abo, A. et al.	435	194	
		5	6	9	8	4	4	5	12/16/1997	Abo, A. et al.	435	325	
		6	0	1	3	4	6	4	1/11/2000	Abo, A. et al.	435	15	
		6	0	1	3	5	0	0	1/11/2000	Minden, A.	435	194	
		6	0	4	8	7	0	6	4/11/2000	Abo, A. et al.	435	15	
		0	0	5	0	2	3	0	03/13/2003	Plowman, G. et al.	514	12	
FOREIGN PATENT DOCUMENTS													
		Document Number				Date	Country	Class	Subclass	Translation			
										Yes	No		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													
		Aspenstrom, P. et al. (1996) Two GTPases, Cdc42 and Rac, bind directly to a protein implicated in the immunodeficiency disorder Wiskott-Aldrich syndrome. Curr. Biol. 6, 70-75:											
		Bagrodia, S. et al. (1995) Cdc42 and PAK-mediated signaling leads to Jun kinase and p38 mitogen-activated protein kinase activation. J. Biol. Chem. 270, 27995-27998:											
		Bashour, A.M. et al. (1997) IQGAP1, a Rac- and Cdc42-binding protein, directly binds and cross-links microfilaments. J. Cell. Biol. 137, 1555-1566:											
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
		Benner, G.E. et al. (1995) Activation of an S6/H4 kinase (PAK 65) from human placenta by intramolecular and intermolecular autophosphorylation. J. Biol. Chem. 270, 21121-21128;							
		Bershadsky, A., and Futerman, A. (1994) Disruption of the Golgi apparatus by brefeldin A blocks cell polarization and inhibits directed cell migration. Proc. Natl. Acad. Sci. U.S.A. 91, 5686-5689;							
		Brown, J. et al. (1996) Human Ste20 homologue hPAK1 links GTPase to JNK MAP kinase pathway. Curr. Biol. 6, 598-605;							
		Burbelo, P.D. et al. (1995) A conserved binding motif defines numerous candidate target proteins for both Cdc42 and Rac GTPases. J. Biol. Chem. 270, 29071-29074;							
		Coso, O.A. et al. (1995) The small GTP-binding proteins Rac1 and Cdc42 regulate the activity of the JNK/SAPK signaling pathway. Cell 81, 1137-1146;							
		Cvrckova, F. et al. (1995) Ste20-like protein kinases are required for normal localization of cell growth and for cytokinesis in budding yeast. Genes Dev. 9, 1817-1830;							
		Dascher, C., and Balch, W.E. (1994) Dominant inhibitory mutants of ARF1 block endoplasmic reticulum to Golgi transport and trigger disassembly of the Golgi apparatus. J. Biol. Chem. 269, 1437-48;							
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		Dharmawardhane, S. et al. (1997) Localization of p21-activated kinase 1 (PAK1) to pinocytic vesicles and cortical actin structures in stimulated cells. J. Cell. Biol. 138, 1265-1278;							
		Donaldson, J.G. et al. (1992) ADP-ribosylation factor, a small GTP-binding protein, is required for binding of the coatmer protein beta-COP to Golgi membranes. Proc. Natl. Acad. Sci. U.S.A. 89, 6408-6412;							
		Donaldson, J.G. et al. (1992) Brefaldin A inhibits golgi membrane-catalyzed exchange of guanine nucleotide into ARF protein. Nature 360, 350-352;							
		Dutartre, H. et al. (1996) Cytokinesis arrest and redistribution of actin-cytoskeleton regulatory components in cells expressing the Rho GTPase CDC42HS. J. Cell. Sci. 109, 367-377;							
		Erickson, J.W. et al. (1996) Mammalian Cdc42 is a brefeldin A-sensitive component of the Golgi apparatus. J. Biol. Chem. 271, 26850-26854;							
		Erickson, J.W. et al. (1997) Identification of an actin cytoskeletal complex that includes IQGAP and the Cdc42 GTPase. J. Biol. Chem. 272, 24443-24447;							
		Fukata, M. et al. (1997) Regulation of cross-linking of actin filament by IQGAP1, a target for Cdc42. J. Biol. Chem. 272, 29579-29583;							
		Hanks, S.K. et al. (1988) The protein kinase family: conserved features and deduced phylogeny of the catalytic domains. Science 241, 42-52;							
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		Harden, N. et al. (1996) A Drosophila homolog of the Rac- and Cdc42- activated serine/threonine kinase PAK is a potential focal adhesion and focal complex protein that colocalizes with dynamic actin structures. Mol. Cell. Biol. 16, 1896-1908;								
		Hart, M.J. et al. (1996) IQGAP, a calmodulin-binding protein with a rasGAP- related domain, is a potential effector for cdc4Hs. EMBO J. 15, 2997-3005;								
		Helms, J.B., and Rothman, J.E. (1992) Inhibition by brefeldin A of a golgi membrane enzyme that catalyses exchange of guanine nucleotide bound to ARF. Nature 360, 352-354;								
		Hillier, L. et al. (1995) yg22e03.r1 Soars infant brain 1NIB Homo sapiens cDNA clone IMAGE:32974 5' similar to SP:KPAK-RAT p35465, EST Database Accession No. R18825;								
		Johnson, L. et al. (1996) Active and inactive protein kinases: structural basis for regulation. Cell 85, 149-158;								
		Joneson, T. et al. (1996) RAC regulation of actin polymerization and proliferation by a pathway distinct from Jun kinase. Science 274, 1374-1376;								
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		Kozma, R. et al. (1995) The Ras-related protein Cdc42Hs and bradykinin promote formation of peripheral actin microspikes and filopodia in Swiss fibroblasts. Mol. Cell. Biol. 15, 1942-1952;							
		Kuroda, S. et al. (1996) Identification of IQGAP as a putative target for the small GTPases, Cdc42 and Rac1. J. Bio. Chem. 271, 23363-23367;							
		Lamarche, N. et al. (1996) Rac and Cdc42 induce actin polymerization and G1 cell cycle progression independently of p65PAK and the JNK/SAPK MAP 10 kinase cascade. Cell 87, 519-529;							
		Manser, E. et al. (1993) A non-receptor tyrosine kinase that inhibits the GTPase activity of p21cdc42. Nature 363, 364-367;							
		Manser, E. et al. (1994) A brain serine/threonine protein kinase activated by Cdc42 and Rac1. Nature 367, 40-46;							
		Manser, E. et al. (1997) Expression of constitutively active alpha-PAK reveals effects of the kinase on actin and focal complexes. Mol. Cell. Biol. 17, 1129-1143;							
		Manser, E. et al. (1998) PAK kinases are directly coupled to the PIX family of nucleotide exchange factors. Mol. Cell. 1, 183-192;							
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		Marshall, C.J. (1994) Signal transduction. Hot lips and phosphorylation of protein kinases. Nature 367, 686;									
		Martin, G.A. et al. (1995) A novel serine kinase activated by rac1/CDC42Hs-dependent autophosphorylation is related to PAK65 and STE20. EMBO J. 14, 1970-1978;									
		Melnik, M.M. (1997) GenBank Accession No. AF005046									
		Minden, A. et al. (1994) Differential activation of ERK and JNK mitogen-activated protein kinases by Raf-1 and MEKK. Science 266, 1719-1723;									
		Minden, A. et al. (1995) Selective activation of the JNK signaling cascade and c-Jun transcriptional activity by the small GTPases Rac and Cdc42Hs. Cell 81, 1147-1157;									
		Nobes, C.D., and Hall, A. (1995) Rho, rac, and cdc42 GTPases regulate the assembly of multimolecular focal complexes associated with actin stress fibers, lamellipodia, and filopodia. Cell 81, 53-62;									
		Orci, L. et al. (1991) Brefeldin A, a drug that blocks secretion, prevents the assembly of non-clathrin-coated buds on Golgi cisternae. Cell 64, 1183-1195;									
		Pelech, S.L. (1996) Kinase connections on the cellular intranet. Signaling pathways. Curr. Biol. 6, 551-554;									
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		Rana, A. et al. (1996) The mixed lineage kinase SPRK phosphorylates and activates the stress-activated protein kinase activator, SEK-1. J. Biol. Chem. 271, 19025-19028							
		Schekman, R., and Orci, L. (1996) Coat proteins and vesicle budding. Science 271, 1526-1533;							
		Sells, M.A. et al. (1997) Human p21-activated kinase (Pak1) regulates actin organization in mammalian cells. Curr. Biol. 7, 202-210;							
		Sells, M.A., and Chernof, J. (1997) Emerging from the Pak: the p21-activated protein kinase family. Trends. Cell. Biol. 7, 162-167;							
		Sigma catalog, Biochemicals and Organic Compounds for Research and Diagnostic Reagents, "Anonymous" ALA-VAL fragment, pg. 64;							
		Symons, M. et al. (1996) Wiskott-Aldrich syndrome protein, a novel effector for the GTPase CDC42Hs, is implicated in actin polymerization. Cell 84, 723-734;							
		Szczepanowska, J. et al. (1997) Identification by mass spectrometry of the phosphorylated residue responsible for activation of the catalytic domain of myosin I heavy chain kinase, a member of the PAK/STE20 family. Proc. Natl. Acad. Sci. U.S.A. 94, 8503-8508;							
		Takebe, Y. et al. (1988) SR alpha promoter: an efficient and versatile mammalian cDNA expression system composed of the simian virus 40 early promoter and the R-U5 segment of human T-cell leukemia virus type 1 long terminal repeat. Mol. Cell. Biol. 8, 466-472;							
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		Teramoto, H. et al. (1996) Signaling from the small GTP-binding proteins Rac1 and Cdc42 to the c-Jun N-terminal kinase/stress-activated protein kinase pathway. A role for mixed lineage kinase 3/protein-tyrosine kinase 1, a novel member of the mixed lineage kinase family. J. Biol. Chem. 271, 27225-277228;							
		Van Aelst, L. et al. (1996) Identification of a novel Rac1-interacting protein involved in membrane ruffling. EMBO J. 15, 3778-3786;							
		Van Aelst, L., and D'Souza-Schorey, C. (1997) Rho GTPases and signaling networks. Genes Dev. 11, 2295-2322;							
		Westwick, J.K. et al. (1997) Rac regulation of transformation, gene expression, and actin organization by multiple, PAK-Independent pathways. Mol. Cell. Biol. 17, 1324-1335;							
		Zhang, C. J. et al. (1994) Expression of a dominant allele of human ARF1 inhibits membrane traffic in vivo. J. Cell. Biol. 124, 289-300;							
		Zhang, F. et al. (1994) Atomic structure of the MAP kinase ERK2 at 2.3 A resolution. Nature 367, 704-711; and							
		Zhang, S. et al. (1995) Rho family GTPases regulate p38 mitogen-activated protein kinase through the downstream mediator Pak1. J. Biol. Chem. 270, 23934-23936.							
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